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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,506	09/12/2003	Nobumasa Fukuzawa	03500.017561.	5652

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NEW YORK, NY 10112

EXAMINER

ORANGE, MARIAMA N

ART UNIT	PAPER NUMBER
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4115

MAIL DATE	DELIVERY MODE
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11/08/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/660,506	Applicant(s) FUKUZAWA, NOBUMASA	
	Examiner Mariama Orange	Art Unit 4115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Aikawa et al. (US Patent No. 5,612,811), hereinafter referenced as Aikawa.

Regarding claim 1, Aikawa discloses a scanning device for scanning an original which is set at a predetermined position, the scanning device including a plurality of light emission members and focusing means for focusing the information of the original onto a sensor in accordance with the reflected light from a reflection member at column 1, lines 34-47, which reads on claimed “image reading apparatus” with “illuminating means for illuminating image information of an original placed on an original support, said illuminating means including a plurality of light source portions; reading means; and image forming means for imaging the image information on said reading means, the

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image information being read in a two-dimensional manner by changing a relative position between the image information and said reading means.” Aikawa further discloses the light source device of the scanner comprising a plurality of LEDs arranged in a line, wherein each LED has a light portion with a respective non-central point and is oriented such that said point is disposed near a central axis of the LED arrangement at column 6, lines 56-62, which reads on claimed “plurality of light source portions being disposed asymmetrically with respect to the optical axis of said image forming means in a sub-scanning cross-sectional plane.”

Regarding claim 2, Aikawa discloses everything claimed as applied above (see claim 1); in addition, Aikawa discloses the light source (601) using LED chips of three colors as a light emission source at column 2, lines 64-65, wherein the red, green and blue lights of the light source (601) are illuminated to one line of the film (622) at column 5, lines 28-29, and exhibited in figure 1, which reads on claimed “plurality of light source portions” being “adapted to be simultaneously lighted, and illuminate the image information.”

Regarding claim 3, Aikawa discloses everything claimed as applied above (see claim 1); in addition, Aikawa discloses each of the LED chips having light emission portion (301) of generally square shape at column 4, lines 48-49, and exhibited in figure 3, which reads on claimed “plurality of light source portions” having “the same shape or/and the same illumination characteristics.”

Regarding claim 4, Aikawa discloses a scanning device which scans an original set at a predetermined position and has information recorded thereon, the scanning

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device comprising: a plurality of light emission members for emitting lights of different wavelengths from each other; a first reflection member having a plurality of reflection planes for selectively reflecting lights of a plurality of wavelengths coming from by the light emission members and optical aid means; a second reflection member for reflecting the light reflected by the first reflection member to focus it on the original in a linear pattern; and focusing means for focusing the information of the original onto a sensor in accordance with the reflected light from the second reflection member at column 1, lines 34-47, which reads on claimed "image reading apparatus" with "illuminating means for illuminating image information of an original placed on an original support, said illuminating means including a plurality of light source portions, and a plurality of reflective portions provided corresponding to said plurality of light source portions and adapted to reflect light from said light source portions toward a side of the image information, respectively; reading means; and image forming means for imaging the image information on said reading means, the image information being read in a two-dimensional manner by changing a relative position between the image information and said reading means, and said plurality of reflective portions being disposed asymmetrically with respect to the optical axis of said image forming means in a sub-scanning cross-sectional plane."

Regarding claim 5, Aikawa discloses everything claimed as applied above (see claim 4); in addition, Aikawa discloses the light source device of the scanner comprising a plurality of LEDs arranged in a line, wherein each LED has a light portion with a respective non-central point and is oriented such that said point is disposed near a

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central axis of the LED arrangement at column 6, lines 56-62, which reads on claimed “plurality of light source portions” being “disposed asymmetrically with respect to the optical axis of said image forming means in the sub-scanning cross-sectional plane.”

Regarding claim 6, Aikawa discloses everything claimed as applied above (see claim 4); in addition, Aikawa discloses the light source (601) using LED chips of three colors as a light emission source at column 2, lines 64-65, wherein the red, green and blue lights of the light source (601) are illuminated to one line of the film (622) at column 5, lines 28-29, and exhibited in figure 1, which reads on claimed “plurality of light source portions” being “adapted to be simultaneously lighted, and illuminate the image information.”

Regarding claim 7, Aikawa discloses everything claimed as applied above (see claim 4); in addition, Aikawa discloses each of the LED chips having light emission portion (301) of generally square shape at column 4, lines 48-49, and exhibited in figure 3, which reads on claimed “plurality of light source portions” having “the same shape or/and the same illumination characteristics.”

Regarding claim 8, Aikawa discloses everything claimed as applied above (see claim 4); in addition, Aikawa discloses the device having depressions arranged around the light emission members for reflecting lights of the emission members and the depressions being shaped differently depending on the wavelengths of the light emissions of the corresponding light emission members at column 1, lines 48-52, which reads an claimed “plurality of reflective portions” having “mutually different shapes.”

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariama Orange whose telephone number is (571) 270-3577. The examiner can normally be reached on Monday - Thursday 9:30am-3:00pm ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jefferey Harold can be reached on (571) 272-7519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jefferey F Harold/
Supervisory Patent Examiner, Art Unit 4115